AMDZ HOW TO SELL: YZEN AMD RYZEN[™] 7000 SERIES PROCESSORS 7000 Series

Learn key selling highlights and performance uplifts across the AMD Ryzen[™] 7000 Series processors lineup.

AMD RYZEN[™] 7020 SERIES PROCESSORS EVERYDAY COMPUTING 6nm | "Zen 2" | RDNA 2 graphics

SELL IT IN 10 SECONDS:

- Achieve everyday tasks with responsive performance •
- Stay unplugged with great battery life
- Advanced AMD Radeon[™] graphics built-in for smooth streaming & entertainment
- Enjoy a modern everyday platform with support for the latest technologies

PERFORMANCE: Ryzen[™] 3 7320U vs. previous gen

Up to

55% faster

web browsing¹

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Up to 34% faster productivity¹

& productivity Web Browsing Smooth streaming

Everyday tasks

BEST FOR:

& entertainment

AMD RYZEN[™] 7030 SERIES PROCESSORS

MAINSTREAM THIN & LIGHT

7nm | "Zen 3"

SELL IT IN 10 SECONDS:

- High performance for the mainstream to multitask and stay entertained
- Stay on the move with great battery life
- Play esports games and stream smoothly with high-fidelity AMD Radeon[™] graphics built-in
- Enjoy a modern platform with support for the latest technologies

PERFORMANCE:

Ryzen[™] 7 7730U vs. previous gen





Up to

Up to

24% faster

82% faster

media encoding⁵

content creation³

photo editing²

BEST FOR:

- Multitasking & productivity
- Smooth streaming & entertainment
- Light photo & video editing
- Casual esports gaming

AMD RYZEN[™] 7035 SERIES PROCESSORS PREMIUM THIN & LIGHT 6nm | "Zen 3+" | RDNA 2 graphics

SELL IT IN 10 SECONDS:

- Accelerated processor performance for multitasking, content creation, and gaming
- Stay unplugged with excellent battery life •
- Game-ready AMD Radeon[™] 600M graphics built-in for smooth esports and AAA gaming
- Cutting-edge connectivity with support for DDR5/LPDDR5, PCle Gen 4. USB4

PERFORMANCE:

Ryzen[™] 7 7735U vs. previous gen

Up to 13% faster productivity³

Un to

11% faster

productivity²

Ryzen[™] 7 7735HS vs. previous gen



BEST FOR:

- Accelerated multitasking & productivity
- Smooth streaming & entertainment
- **Content Creation**
- Esports & AAA gaming



AMD RYZEN[™] 7040 SERIES PROCESSORS ELITE ULTRATHIN & THIN AND LIGHT GAMING 4nm | "Zen 4" | RDNA 3 graphics

SELL IT IN 10 SECONDS:

- Take on any task with exceptional speed with the ultimate ultrathin processor
- Experience ultimate mobility with leadership battery life •
- Cutting-edge visuals with the latest AMD Radeon[™] 700M Series graphics, powerful enough to play almost any PC game in full HD
- Be ready to usher in the future with AMD Ryzen[™] Al⁶, bringing the power of artificial intelligence to your laptop to unlock magical next-gen experiences

AMD RYZEN[™] 7045 SERIES PROCESSORS **EXTREME GAMING & CREATOR PERFORMANCE**

5nm | "Zen 4" | up to 16 cores / 32 threads

SELL IT IN 10 SECONDS:

- Extreme performance for the best mobile gaming platforms •
- Up to 80MB on-chip memory for fast gaming responsiveness
- Seamlessly edit video, render complex 3D scenes, & multitask demanding applications
- Leading edge connectivity with support for fast DDR5 memory, PCIe Gen 4, USB4, WiFi 6e support and more

PERFORMANCE: Ryzen[™] 7 7840U vs. previous gen Up to Up to 17% faster 32% faster productivity7 content creation⁷ Ryzen[™] 9 7940HS vs. previous gen Up to 25% faster 11% faster productivity⁸ video editing⁹

BEST FOR:

- Powerful productivity & multitasking
- Advanced content creation workloads
- Powerful esports & AAA gaming

PERFORMANCE: Ryzen[™] 9 7945HX vs. previous gen



Up to

62% faster gaming¹⁰

(League of Legends)

Up to 25% faster video editing¹¹

BEST FOR:

- Enthusiast gaming w/ discrete graphics
- **Pro-level content** creation
- 3D modeling
- Powerful productivity

FOOTNOTES:

- MDN-07 Testing by AMD Performance Labs as of Aug 2022, utilizing a reference board configured with an AMD Ryzen 3 7320U CPU, integrated AMD Radeon 610M graphics, 4GB RAM, 1TB NVMe SSD, and Windows 11 Pro, and a similarly configured laptop with an AMD Ryzen 3 7320U CPU, 4GB RAM, 256GB NVMe SSD, and Windows 11 Pro in the following benchmarks: PCMark 10 test suite, Speedometer and 7-Zip. PCMark is a registered trademark of Futuremark Corporation. PC manufacturers may vary configurations yielding different results. erformance may vary
- Performance may vary. BCIL-12 Testing as of Jan 2023 by AMD Performance Labs using PCMark 10 suite, Octane, Geekbench benchamarks. Configuration for AMD reference system: Ryzen 7 7730U, 8GB RAM, Samsung 980 Pro 1TB NVMe, AMD BIOS RLD1008C, Windows 11 Pro. Configuration for Ryzen 7 5825U. Lenovo Thinkpad 114 Gen 3, 8GB Ram, 25GGB SSD, AMD BIOS RIVET38W, Windows 11 Pro. PCMark is a registered trademark of Futuremark Corporation. PC manufacturers may vary configurations yielding different results. Results may vary. RMBR-24 Testing as of Jan 2023 by AMD Performance Labs using Cinebench R23, PCMark 10 suite, Speedometer. Configuration for Ryzen 7 6800U. Lenovo Thinkpad 1145 Gen 3, 25GB Ram, 21B SSD, AMD BIOS R22ET22VIT12 (022), Windows 11 Pro. PCMark is a registered trademark of Futuremark Corporation. PC manufacturers may vary configurations yielding different results. Results
- RMBR-22 Testing as of Dec 2022 by AMD Performance Labs using Cinebench R23, PCMark 10 suite, 7Zip. System configuration for Ryzen 7 7735HS: AMD reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 680M Graphics, Windows 11 Pro. System configuration for Ryzen 7 6800HS: HP EliteBook 845, 16GB RAM, 1TB SSD, Windows 11 Pro. PC manufacturers may vary configurations yielding different results. Results may vary.

- for Ryzen 7 6800HS: HP Elitebook 845, 16GB RAM, 1TB SSD, Windows 11 Pro. PC manufacturers may vary configuration for Ryzen 7 7735HS: AMD reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 680M Graphics, Windows 11 Pro. System configuration for Ryzen 7 7735HS: AMD reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 680M Graphics, Windows 11 Pro. System configuration for Ryzen 7 7735HS: AMD reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 680M Graphics, Windows 11 Pro. System configuration for Ryzen 7 7835HS: AMD reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 680M Graphics, Windows 11 Pro. System configuration for Ryzen 7 7735HS: AMD reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 680M Graphics, Windows 11 Pro. System configuration for Ryzen 7 7840U. AMD Mayan reference board, 16GB RAM, Samsung 520 980 Pro 1TB NVMe, AMD Radeon 780M Ryzen 7 7840U. Lenvor Thinkpad T145 Gen 3, 32GB RAM, 2TB SSD, BIOS R22E122W112 (0.22), integrated Radeon "600M graphics, Windows 11 Pro. System configuration for AMD Ryzen 7 7840U. Lenvor Thinkpad T145 Gen 3, 32GB RAM, 2TB SSD, BIOS R22E12W112 (0.22), integrated Radeon "600M graphics, Windows 11 Pro. Stem Ryzen 7 5800U. Lenvor Thinkpad T145 Gen 3, 32GB RAM, 2TB SSD, BIOS R22E12W112 (0.22), integrated Radeon "600M graphics, Windows 11 Pro. Stem results. Results may vary. PHX-20 Testing as of Feb 2023 by AMD Performance Labs using Cinebench R23, 30Mark Night Raid, PCMark 10 test suite, Procyon, Kraken, 72ip. System configuration for Ryzen 97940HS: AMD reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 780M integrated gaphics, Windows 11 Pro. System configurations ideling different results. Results may vary. PHX-20 Testing as of Feb 2023 by AMD Performance Labs using Cinebench R23, 30Mark Night Raid, PCMark 10 test suite, Procyon, Kraken, 72ip. System configuration for Ryzen 97940HS: AMD Reference system, 16GB RAM, Samsung 980 Pro 1TB NVMe, AMD Radeon 780M integrated gaphics, Windows 11 Pro. System
- 8. 9.
- DRG-03 Based on testing by AMD as of 12/23/2022. Testing results demonstrated in Far Cry 6; CS:CO; Warhammer: Dawn of War 3; League of Legends; Shadow of the Tomb Raider; Watchdogs; Legion at 1080p, high settings. Ryzen 9 7945HX system: AMD reference motherboard configured with 2x16GB DDR5-5200, Samsung 980 Pro 1TB SSD, Radeon 7600M XT graphics, Windows 11 64-bit. Ryzen 9 6900HX system: AMD reference motherboard configured with 2x16GB DDR5-4200, Samsung 980 Pro 1TB SSD, Radeon 7600M XT graphics, Windows 11 Pro. System manufacturers may vary configuredions, yielding different results. 10.
- DBC-05 Testing y AVD performance labs as of Dec 2022 using Cinebench R23, Adobe Premiere Pro, Adobe Photoshop, Blender, Hand Brake benchmarks. Ryzen 9 7945HX system: AMD reference motherboard configured with 2x16GB DDR5-5200, Samsung 980 Pro 1TB SSD, Radeon graphics, Windows 11. System manufacturers may vary configurations, yielding different results. 11.

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MODEL SPECIFICATIONS:

Laptop type	Model	Cores / Threads	Max Boost ¹ (up to)/ Base	TDP	Cache	On-Chip Graphics	AMD Ryzen™ Al	USB4	Memory	Node	Architec- ture
7045 Series EXTREME GAMING & CREATOR	AMD Ryzen™ 9 7945HX	16C / 32T	5.4 / 2.5 GHz	55W+	80 MB	Radeon™ 610M		\checkmark	DDR5	5nm	"Zen 4"
	AMD Ryzen™ 9 7845HX	12C / 24T	5.2 / 3.0 GHz	55W+	76 MB	Radeon™ 610M		\checkmark	DDR5	5nm	"Zen 4"
	AMD Ryzen™ 7 7745HX	8C / 16T	5.1 / 3.6 GHz	55W+	40 MB	Radeon™ 610M		\checkmark	DDR5	5nm	"Zen 4"
	AMD Ryzen™ 5 7645HX	6C / 12T	5.0 / 4.0 GHz	55W+	38 MB	Radeon™ 610M		\checkmark	DDR5	5nm	"Zen 4"
	AMD Ryzen [™] 9 7940HS	8C / 16T	5.2 / 4.0 GHz	35-54W	24 MB	Radeon™ 780M	~	\checkmark	DDR5/ LPDDR5	4nm	"Zen 4"
	AMD Ryzen™ 7 7840HS	8C / 16T	5.1 / 3.8 GHz	35-54W	24 MB	Radeon™ 780M	~	\checkmark	DDR5/ LPDDR5	4nm	"Zen 4"
7040 Series	AMD Ryzen [™] 5 7640HS	6C / 12T	5.0 / 4.3 GHz	35-54W	22 MB	Radeon™ 760M	√	\checkmark	DDR5/ LPDDR5	4nm	"Zen 4"
THIN & LIGHT GAMING / ELITE ULTRATHIN	AMD Ryzen™ 7 7840U	8C / 16T	5.1 / 3.3 GHz	15-30W	24 MB	Radeon™ 780M	\checkmark	\checkmark	DDR5/ LPDDR5	4nm	"Zen 4"
	AMD Ryzen™ 5 7640U	6C / 12T	4.9 / 3.5 GHz	15-30W	22 MB	Radeon™ 760M	~	\checkmark	DDR5/ LPDDR5	4nm	"Zen 4"
	AMD Ryzen™ 5 7540U	6C / 12T	4.9 / 3.2 GHz	15-30W	22 MB	Radeon™ 740M		\checkmark	DDR5/ LPDDR5	4nm	"Zen 4"
_	AMD Ryzen™ 3 7440U	4C / 8T	4.7 / 3.9 GHz	15-30W	12 MB	Radeon™ 740M		\checkmark	DDR5/ LPDDR5	4nm	"Zen 4"
7035 Series THIN & LIGHT GAMING PREMIUM THIN & LIGHT	AMD Ryzen™ 7 7735HS	8C / 16T	4.75 / 3.2 GHz	35W	20 MB	AMD Radeon™ 680M		\checkmark	DDR5/ LPDDR5	6nm	"Zen 3+"
	AMD Ryzen™ 5 7535HS	6C / 12T	4.55 / 3.3 GHz	35W	19 MB	AMD Radeon™ 660M		~	DDR5/ LPDDR5	6nm	"Zen 3+"
	AMD Ryzen™ 7 7735U	8C / 16T	4.75 / 2.7 GHz	15-28W	20 MB	AMD Radeon™ 680M		\checkmark	DDR5/ LPDDR5	6nm	"Zen 3+"
	AMD Ryzen™ 5 7535U	6C / 12T	4.55 / 2.9 GHz	15-28W	19 MB	AMD Radeon [™] 660M		\checkmark	DDR5/ LPDDR5	6nm	"Zen 3+"
	AMD Ryzen™ 3 7335U	4C / 8T	4.3 / 3.0 GHz	15-28W	10 MB	AMD Radeon™ 660M		~	DDR5/ LPDDR5	6nm	"Zen 3+"
7030 Series MAINSTREAM THIN & LIGHT	AMD Ryzen™ 7 7730U	8C / 16T	4.5 / 2.0 GHz	15W	20 MB	AMD Radeon [™] graphics			DDR4/ LPDDR4	7nm	"Zen 3"
	AMD Ryzen™ 5 7530U	6C / 12T	4.5 / 2.0 GHz	15W	19 MB	AMD Radeon [™] graphics			DDR4/ LPDDR4	7nm	"Zen 3"
	AMD Ryzen™ 3 7330U	4C / 8T	4.3 / 2.3 GHz	15W	10 MB	AMD Radeon [™] graphics			DDR4/ LPDDR4	7nm	"Zen 3"
7020 Series EVERYDAY COMPUTING	AMD Ryzen™ 5 7520U	4C / 8T	4.3 / 2.8 GHz	15W	6 MB	AMD Radeon™ 610M			LPDDR5	6nm	"Zen 2"
	AMD Ryzen™ 3 7320U	4C / 8T	4.1 / 2.4 GHz	15W	6 MB	AMD Radeon™ 610M			LPDDR5	6nm	"Zen 2"

FOOTNOTES:

1. GD-ISO Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates.

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